## Translation





## PCT

Rec'd PCT/PTG

25 MAY 2005

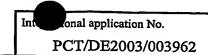
## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference T 44510WO/70/hs	FOR FURTHER ACT	ION	See Form PCT/IPEA/416				
International application No. PCT/DE2003/003962	International filing date 02 December 2003		Priority date (day/month/year)  09 December 2002 (09.12.2002)				
International Patent Classification (IPC) or national classification and IPC B29C 49/38							
Applicant UNICOR GMBH RAHN PLASTMASCHINEN							
<ol> <li>This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</li> </ol>							
<ol> <li>This REPORT consists of a total of 5 sheets, including this cover sheet.</li> <li>This report is also accompanied by ANNEXES, comprising:</li> </ol>							
a. (sent to the applicant and to the International Bureau) a total of sheets, as follows:							
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).							
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.							
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s))  , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).							
4. This report contains indications relating to the following items:							
Box No. I Basis of the r	Box No. I Basis of the report						
Box No. II Priority							
Box No. III Non-establish	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
	of invention						
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
Box No. VI Certain docu	ments cited						
Box No. VII Certain defec	ets in the international app	lication					
Box No. VIII Certain obse	Box No. VIII Certain observations on the international application						
Date of submission of the demand		Date of completion	of this report				
04 May 2004 (04.05.2004)		02 .	August 2004 (02.08.2004)				
Name and mailing address of the IPEA/BP		Authorized officer					
Facsimile No.		Telephone No.	ephone No.				





Box No	<u>, 1</u>	Basis of the report					
1. With othe	21 MISC III	mulcated under this item.	ased on the international application in the langua				
. []	This whic	ch is language of a translation furni		language,			
		international search (under Rules					
		publication of the international ag	application (under Rule 12.4)				
			nation (under Rules 55.2 and/or 55.3)				
jurni	The in the de pages pages' the clapages pages' pages' pages' pages' pages'	rd to the elements of the internat of the receiving Office in response to annexed to this report): international application as original description:  s  1, 2, 3, 3a  s*  laims:  s  1, 2, 3, 3a	ational application, this report is based on (received by this Authority on, as amended (togeth, as attention, this report is based on (received by this Authority on, as amended (togeth, as attention	, as originally filed/furnished , as originally filed/furnished, as originally filed/furnished, as originally filed/furnished, as originally filed/furnished her with any statement) under Article 19			
	pages'	i <b>*</b>	received by this Authority on				
	pages pages* pages*	2*	received by this Authority on received by this Authority on ble(s) – see Supplemental Box Relating to Sequence	, as originally filed/furnished			
3. <u> </u>	(Rule 7	ort and listed below had not been dicated in the Supplemental Box					
		the claims, Nos.					
the drawings, sheets/figs							
the sequence listing (specify): any table(s) related to sequence listing (specify):							
	L "	any table(s) related to sequence is	sting (specify):				
* If item 4 applies, some or all of those sheets may be marked "superseded."							

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1.	Statement					
	Novelty (N)	Claims	1, 2	YES		
		Claims		NO		
	Inventive step (IS)	Claims	1, 2	YES		
		Claims		NO		
	. Industrial applicability (IA)	Claims	1, 2	YES		
		Claims		NO		

- 2. Citations and explanations
  - 1. Reference is made to the following document:

D1: US-A-3280430.

- The following observations are made with reference to PCT Article 33.
- 2.1 The prior art document D1 (see the description, column 2, lines 29-44, and figure 1) discloses a device for producing pipes having transverse ribs, using mould half shells (38, 38a) which contact each other and are continuously moved along two continuous guide tracks by means of drive devices, one of these being assigned to each shell, wherein the two guide tracks have a shared moulding path, one return path each and two deflection paths each, wherein the relevant deflection path has a deflection element (16, 17, 23, 24) which has a curved guide edge (circumference of the "sprocket wheel") for the mould half shells (38, 38a), is guided such that it can be displaced linearly along a base element (12) fixed to the machine (see figure 1), and is connected to a compensation device (see column 4, lines 34-44) which is able to compensate a

tolerance play along mould half shells continuously moving along the corresponding guide path, from which the subject matter of claim 1 differs in that the relevant deflection element is made of a low-wear plastic material and the tolerance play is dependent on the temperature and/or the speed of the mould half shells, the relevant deflection element has a clothoid-type guide edge for the corresponding mould half shells and the compensation device has an air spring which can be impinged upon by compressed air.

The subject matter of claim 1 is therefore novel and satisfies PCT Article 33(2).

The object of claim 1 is therefore understood to be that of preventing a manual adjustment of the deflection element to adjust to the prevailing operation conditions (see page 2, lines 18-21, of the application).

The available prior art offers nothing to suggest the features of the characterizing part "the relevant deflection element is made of a low-wear plastic material and the tolerance play is dependent on the temperature and/or the speed of the mould half shells, the relevant deflection element has a clothoid-type guide edge for the corresponding mould half shells and the compensation device has an air spring which can be impinged upon with compressed air". Consequently, the subject matter of claim 1 involves an inventive step (PCT Article 33(3)).

 Claim 2 is dependent on claim 1 and therefore likewise meets the PCT requirements for novelty and inventive step.

4. On page 2, line 1, of the description, the publication number of the document cited is incorrect. The correct publication number is US-A-3280430.